

Abstract

Devices, systems, and methods reduce levels of pro-inflammatory or anti-inflammatory stimulators or mediators in blood by selective adsorption. The devices, systems, and methods are useful in situations where abnormal levels of or unregulated or excessive interaction among pro-inflammatory or anti-inflammatory stimulators or mediators occur, or during events that do induce or have the potential for inducing abnormal production of pro-inflammatory or anti-inflammatory stimulators or mediators. The devices, systems, and methods serve to prevent, control, reduce, or alleviate the severity of the inflammatory response and disease states that are associated with abnormal levels of or unregulated or excessive interaction among pro-inflammatory or anti-inflammatory stimulators or mediators.